

WHAT IS CLAIMED IS:

1. A wheel bracket mechanism for an electric wheelchair equipped with auxiliary wheels comprising: a frame, a pair of driver wheel brackets, four pedestal assemblies, a pair of caster brackets, a pair
5 of oscillating assembly and a pair of anti-tipping brackets; wherein:

the frame in shape of rectangle each having an aperture at both sides with symmetrical to each other and located between the front and rear end;

the driver wheel brackets provided with a motor and drive shaft
10 secured at the rear end respectively, the driver wheel brackets secured to the frame via the aperture of it with a front end stretching ahead, an aperture formed at the front end of the each driver wheel brackets;

the pedestal assemblies disposed at both sides of the front and rear end of the frame;

15 the castor brackets each provided with a castor secured to a strut at the front end and a rod disposed at the rear end thereof, the rods received in the pedestal assemblies respectively, an aperture defined adjacent to the strut in the castor bracket with corresponding to the location of the aperture of the driver wheel bracket;

20 the oscillating assembly consisting of a pair of plates, a rolling shaft and a roller, the plates each provided with a stripe aperture, each of plates engaged with the aperture of the driver wheel bracket and the aperture of the castor bracket via the top and bottom of the stripe aperture

respectively, the roller mounted onto the rolling shaft, then the rolling shaft movably disposed in the middle of the stripe aperture of the plates;

the anti-tipping bracket each provided with an anti-tipping wheel at the front end and a rod disposed at the rear end thereof, the rod
5 received in the corresponding pedestal assemblies.

2. The wheel bracket mechanism for an electric wheelchair equipped with auxiliary wheels as claimed in claim 1, wherein the pedestal assemblies each consist of a tube and a plurality of cushion blocks, the tubes are disposed at both sides of the front and rear end of
10 the frame respectively in pairs with locating opposite to each other, the cushion blocks are disposed in inner sides of the corresponding tube and defining a symmetric space, every rod of the castor brackets and the anti-tipping brackets has a threaded hole defined at the end and served to be received in the corresponding symmetric spaces of the pedestal
15 assemblies, and with a covering member is fixed in the threaded hole.

3. The wheel bracket mechanism for an electric wheelchair equipped with auxiliary wheels as claimed in claim 2, wherein the cushioning blocks in the pedestal assembly define a symmetric space squared in cross section, every rod of the castor brackets and the anti-
20 tipping brackets is symmetric formed with squared in cross section.

4. The wheel bracket mechanism for an electric wheelchair equipped with auxiliary wheels as claimed in claim 1, wherein the driver wheel bracket is crank-like configured.